

Contents

Volume 113, February 1989

JERZY BROWKIN (Warsaw, Poland) A Theorem of Sturm and K_1 for Rings of Real Continuous Functions	1
A. GREENBAUM (New York, New York) Behavior of Slightly Perturbed Lanczos and Conjugate-Gradient Recurrences	7
GEORG HEINIG AND KARLA ROST (Karl-Marx-Stadt, East Germany) Matrix Representations of Toeplitz-plus-Hankel Matrix Inverses	65
ARTIBANO MICALI (Montpellier Cédex, France), TÂNIA M. M. CAMPOS, MARIA C. COSTA E SILVA, AND SILVIA M. M. FERREIRA (São Paulo, Brazil) Dérivations dans les Algèbres Gamétiques. III	79
HONG YUAN (Waterloo, Canada) Sharp Lower Bounds on the Eigenvalues of Trees	101
M. SEETHARAMA GOWDA (Baltimore, Maryland) Pseudomonotone and Copositive Star Matrices	107
LI LEI (Xi'an, China) Convergence of Asynchronous Iteration with Arbitrary Splitting Form	119
TAKAYUKI FURUTA (Aomori, Japan) A Proof via Operator Means of an Order Preserving Inequality	129
GUODONG ZHANG (Shanghai, China) On the Convergence Rate of the QL Algorithm with Wilkinson's Shift	131
PAUL BINDING AND PATRICK J. BROWNE (Calgary, Canada) Two Parameter Eigenvalue Problems for Matrices	139
WEN LI (Guangzhou, China) On Regular Splitting of an M -Matrix	159
ANTÓNIO LEAL DUARTE (Coimbra, Portugal) Construction of Acyclic Matrices from Spectral Data	173
AUTHOR INDEX	183